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## **Streamflow Forecast Summary: April 1, 2018 (averages based on 1981-2010 reference period)**

		Forecast Exceedance Probabilities for Risk Assessment						
		Chance that actual volume will exceed forecast						
<b>UPPER YUKON BASIN</b>	Forecast Period	90%	70%	50%	% Avg	30%	10%	30yr Avg
		(KAF)	(KAF)	(KAF)		(KAF)	(KAF)	(KAF)
Yukon R at Eagle	APR-JUL	26200	29500	31700	95%	33900	37100	33300

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
  - 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
  - 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
<b>CENTRAL YUKON BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
	Porcupine R nr Intl Boundary	APR-JUL	4210	5270	5990	106%	6700	7760
Yukon R nr Stevens Village	APR-JUL	42600	46200	48600	101%	51000	54600	48100

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
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  - 3) Median value used in place of average

TANANA BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment						
		90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Chena R nr Two Rivers	APR-JUL	310	380	425	157%	470	540	270
Little Chena R nr Fairbanks	APR-JUL	88	106	118	151%	130	148	78
Salcha R nr Salchaket	APR-JUL	615	730	810	130%	890	1000	625
Tanana R at Fairbanks	APR-JUL	7310	7850	8210	110%	8570	9100	7460
Tanana R at Nenana	APR-JUL	8900	9550	10000	111%	10400	11100	9000

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
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  - 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
WESTERN INTERIOR BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kuskokwim R at Crooked Creek	APR-JUN	9100	10600	11600	110%	12600	14000	10500

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
  - 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
  - 3) Median value used in place of average

## Forecast Exceedance Probabilities for Risk Assessment

Chance that actual volume will exceed forecast

<b>ARCTIC AND KOTZEBUE SOUND</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kuparuk R nr Deadhorse								
	APR-JUL	730	900	1010	127%	1130	1300	796
	MAY-JUL	730	900	1010	127%	1130	1300	795
Sagavanirktok R nr Pump Station 3								
	APR-JUL	860	960	1030	151%	1100	1200	684
	MAY-JUL	855	955	1030	151%	1090	1190	683

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

<b>COPPER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gulkana R at Sourdough								
	APR-JUL	440	535	595	135%	660	755	440

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

<b>MATANUSKA - SUSITNA BASINS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Susitna R nr Palmer								
	APR-JUL	72	85	93	113%	102	114	82
Talkeetna R nr Talkeetna								
	APR-JUL	1480	1610	1700	108%	1790	1930	1570

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

<b>NORTHERN COOK INLET</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Ship Ck nr Anchorage								
	APR-JUL	30	38	43	74%	48	55	58

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2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								

<b>KENAI PENINSULA</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Kenai R at Cooper Landing								
	APR-JUL	695	770	820	85%	870	945	960

1) 90% and 10% exceedance probabilities are actually 95% and 5%

- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions  
 3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment								
Chance that actual volume will exceed forecast								
SOUTHEAST	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gold Ck nr Juneau								

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions  
 3) Median value used in place of average